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A.

Position 1 6 11 16 21 26
 (SEQ ID NO:1) Amino Acid GLKET VEKLF DEFDK DKSGK ISCAE LKAAL

B.

	15	16	17	18	19	20	21	22	23	24
(SEQ ID NO:2) <u>T. crassiceps</u> cysteine proteinase	K	D	K	S	G	K	I	S	C	A
(SEQ ID NO:3) <u>Fasciola</u> cathepsin L	K	D	Q	G	Q	C	G	S	C	W
(SEQ ID NO:4) <u>Schistosoma mansoni</u> cathepsin B	R	D	Q	S	R	C	G	S	C	W
(SEQ ID NO:5) Papain	K	N	Q	G	S	C	G	S	C	W
(SEQ ID NO:6) <u>Paragonimus</u> cysteine proteinase	E	N	Q	G	E	C	G	S	C	W
(SEQ ID NO:7) <u>Schistosoma mansoni</u> calpain	.	C	Q	G	E	L	G	D	C	W
(SEQ ID NO:8) <u>Schistosoma mansoni</u> hemoglobinase	N	Y	R	H	Q	A	D	V	C	H
(SEQ ID NO:9) IL-1 β converting enzyme	K	P	K	V	I	I	Q	A	C	R
(SEQ ID NO:10) <u>Streptococcal</u> cysteine proteinase	V	G	Q	A	A	T	G	H	C	V

Fig. 1

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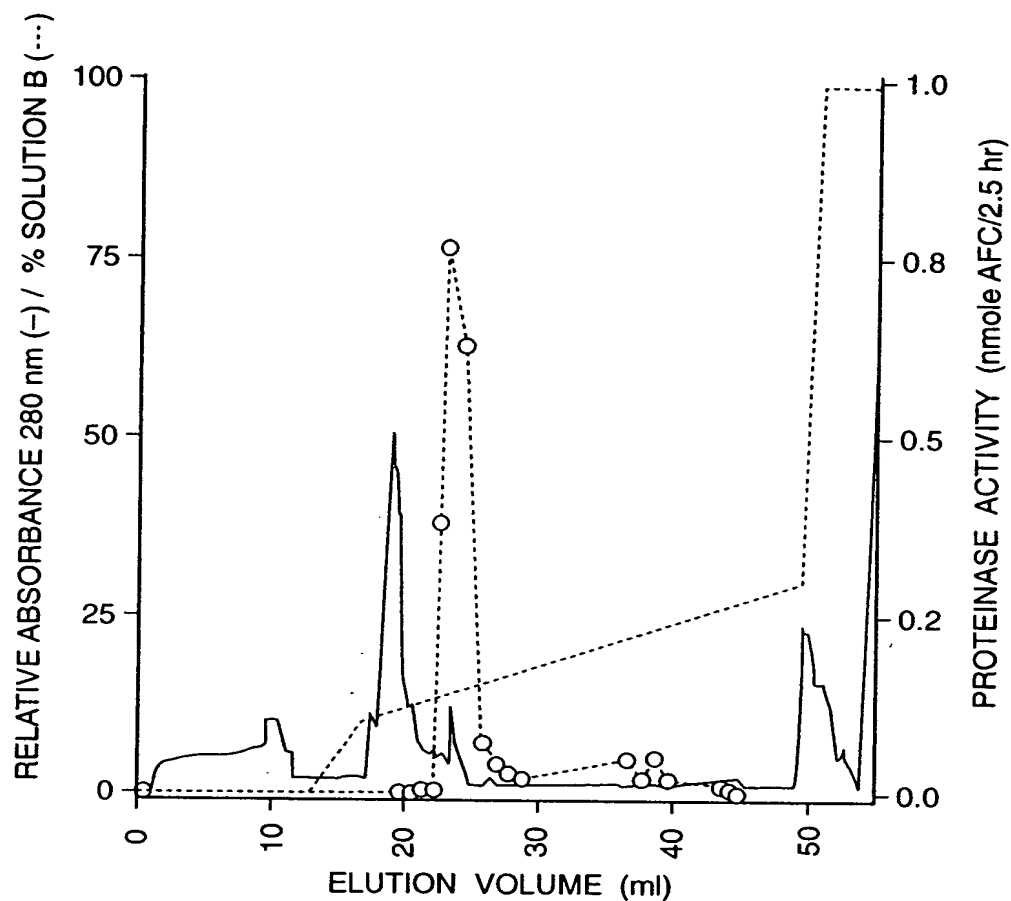


Fig. 2a

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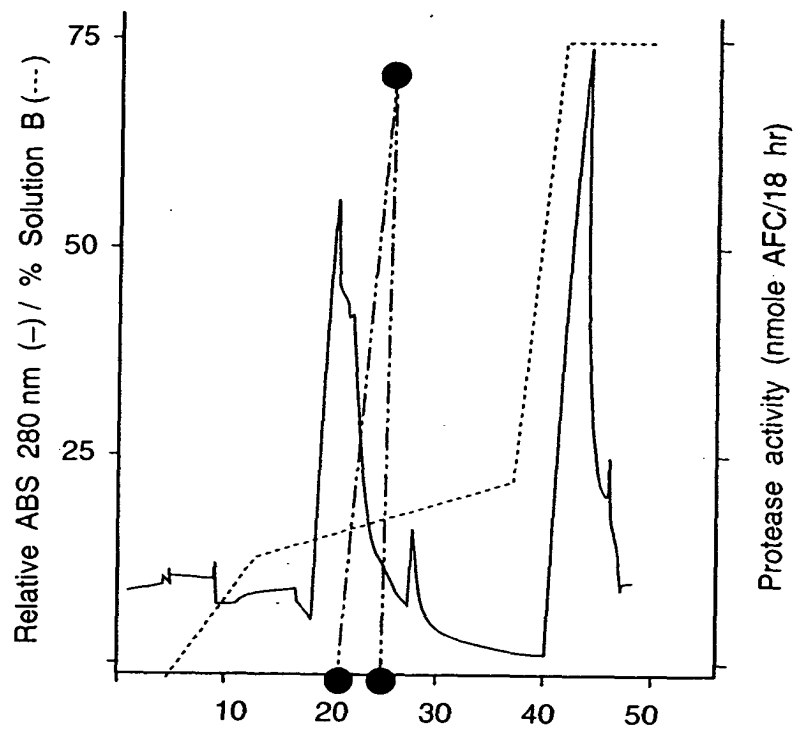


Fig. 2b

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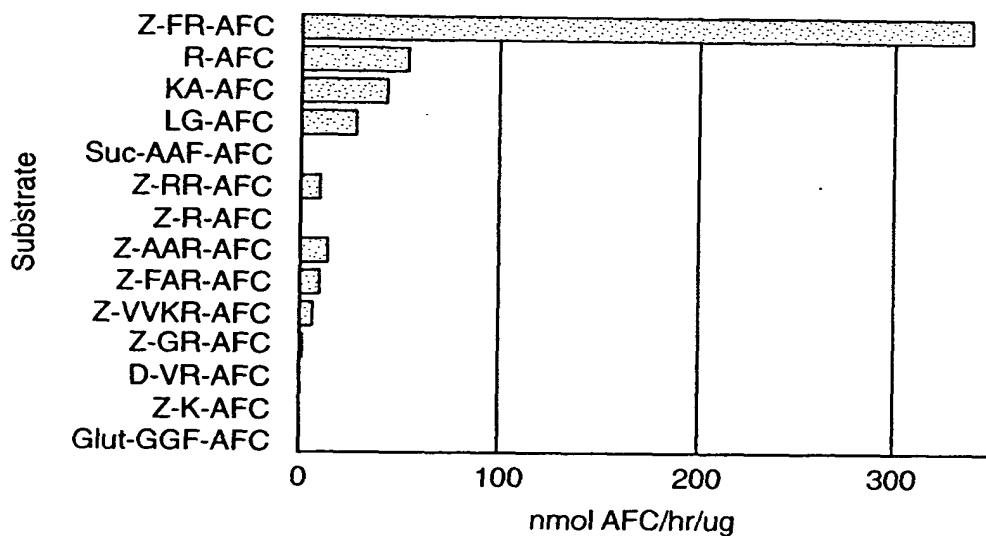


Fig. 3a

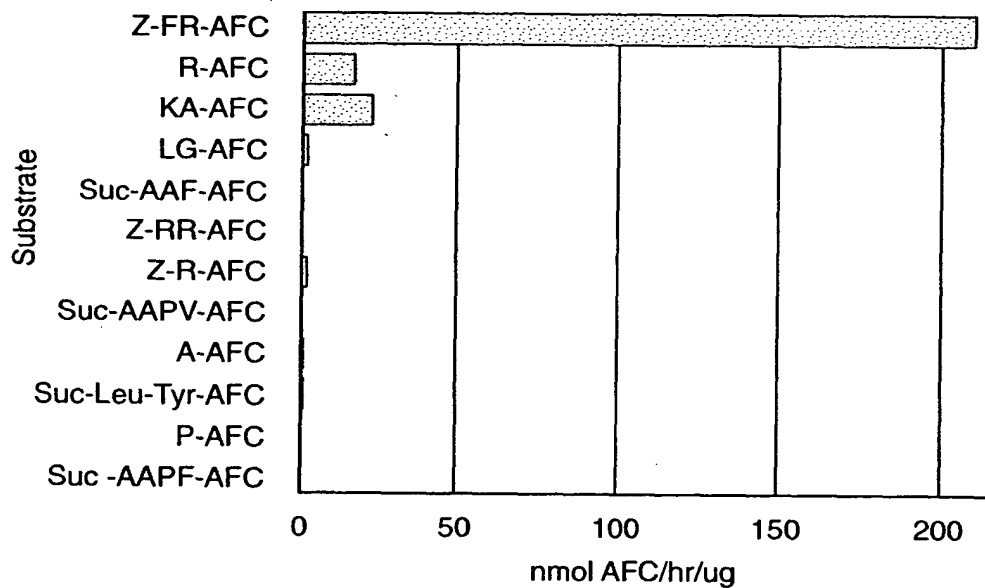


Fig. 3b

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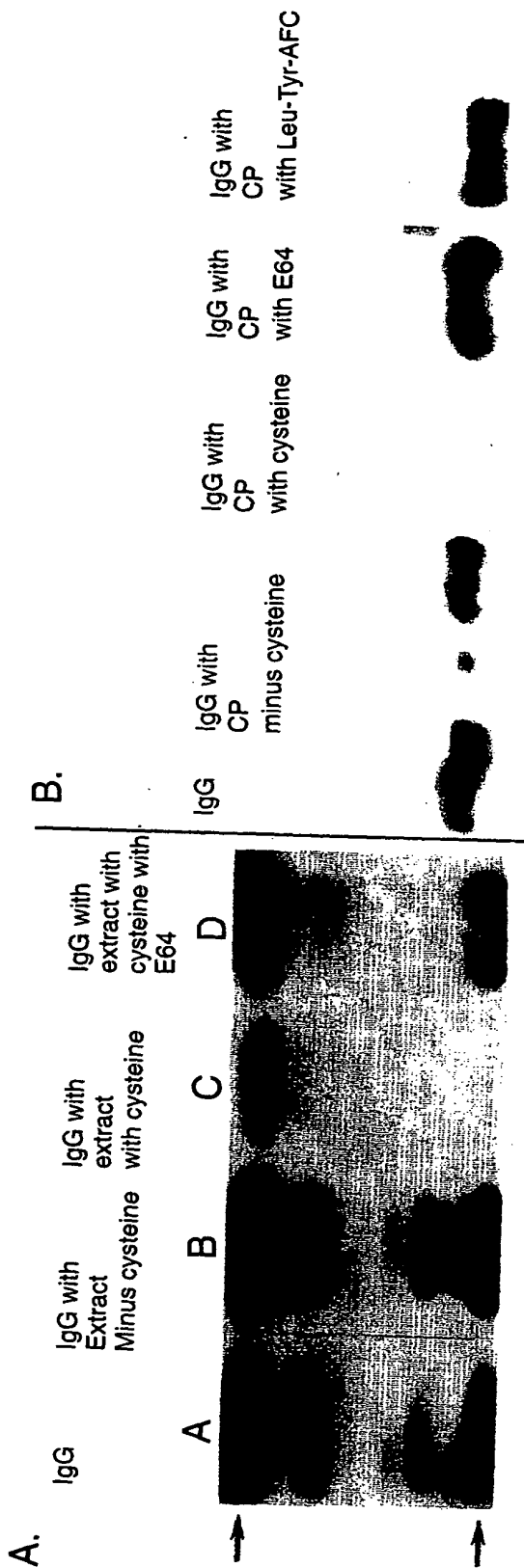


Fig. 4

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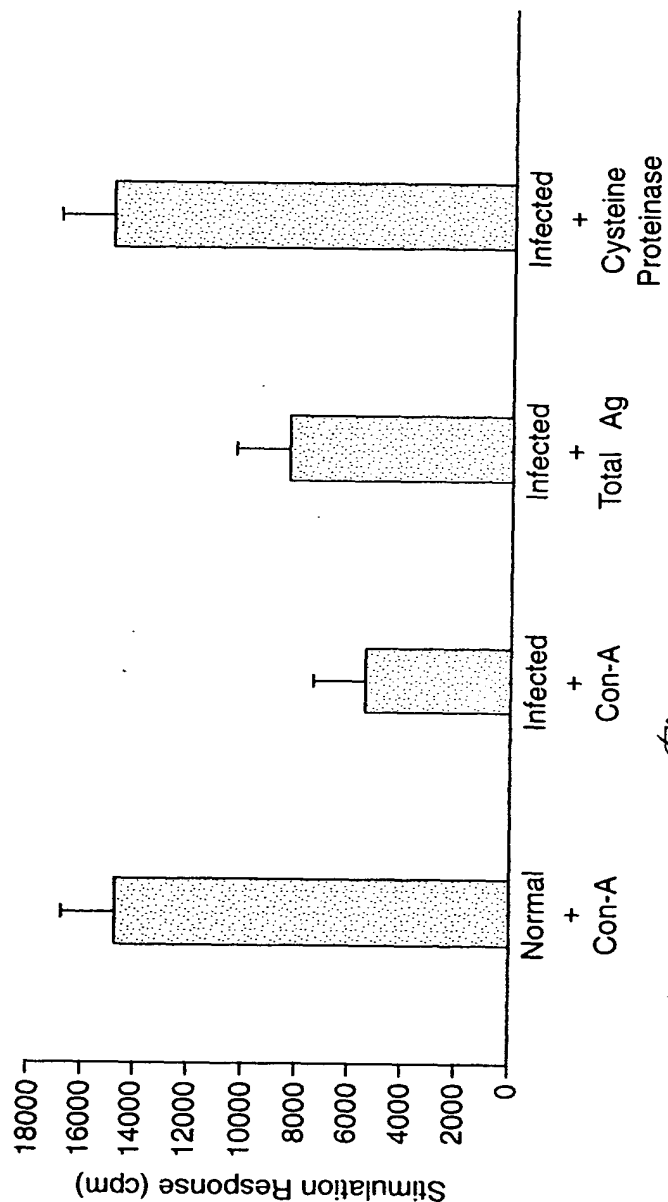
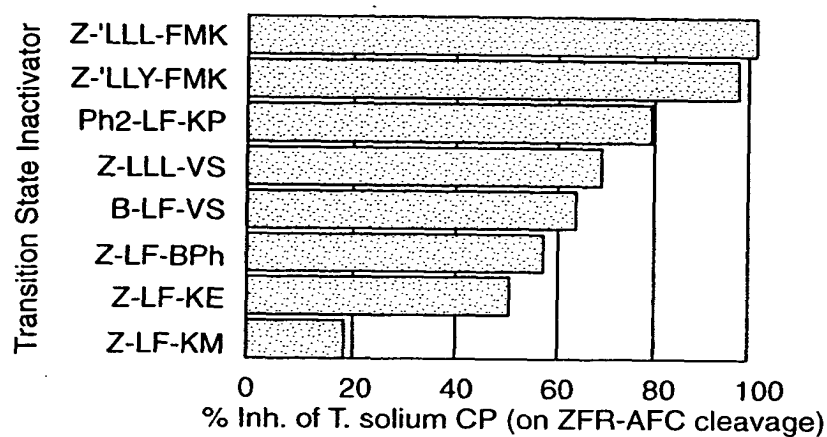


Fig. 5

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(Ph)₂CHCO-Leu-Phe-CO-NHCH₂-2-Pyridyl – (Ph2-LF-KP)

Z-Leu-Phe-CONH-Ethyl – (Z-LF-KE)

Z-Leu-Phe-CONH-4-Morphophinyl – (Z-LF-KM)

Z-Leu-Phe-CH₂-CH(OH)-C₆H₄-(4-Oph)- (Z-LF-BPh) [B=benzene]

Boc-Leu-Phe-VinylSulfone-Phenyl – (B-LF-VS)

Z-Leu-Leu-Leu-VinylSulfone-Phenyl – (Z-LLL-VS)

Z-Leu-Leu-Tyr-Fluoromethylketone (Z-LLY-FMK)

Fig. 6

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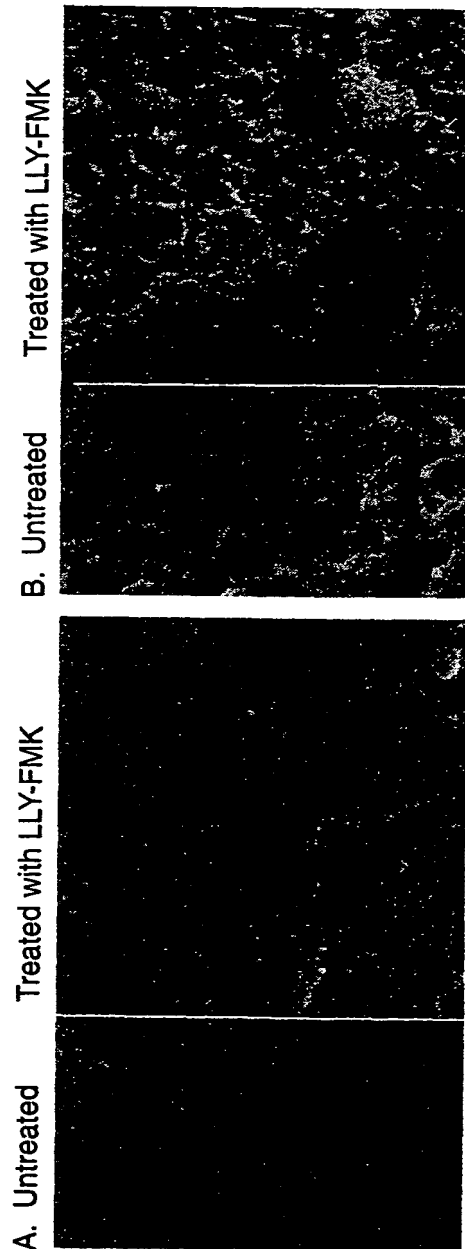


Fig. 7

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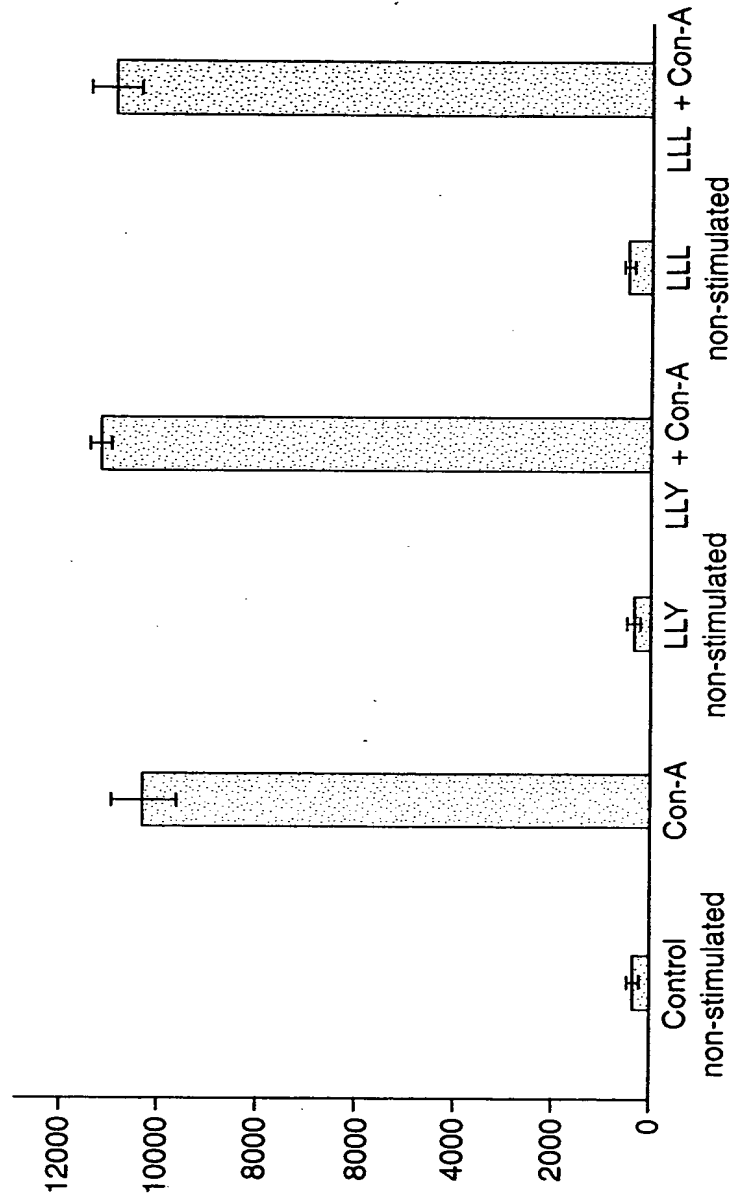


Fig. 8